INTERNATIONAL SEARCH REPORT

Intel al Application No PCT/US2004/038369

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B01D46/24 B011 B01D45/04 B01D50/00 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 B01D Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages 1 - 9, 16X EP 0 923 975 A (ROBERT BOSCH GMBH; BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT) 23 June 1999 (1999-06-23) 10,11,17 Y the whole document US 6 572 667 B1 (GREIF VOLKER ET AL) 10,11,17 Y 3 June 2003 (2003-06-03) the whole document WO 02/02206 A (DONALDSON COMPANY, INC) 1-17 X 10 January 2002 (2002-01-10) figures 1-8 1,3,4, US 2 771 153 A (HENNIG RALPH R) X 10,16,17 20 November 1956 (1956-11-20) the whole document -/--Patent family members are listed in annex. Further documents are listed in the continuation of box C. X Special categories of cited documents : "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance Invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled other means "P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 21/03/2005 10 March 2005 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 European Fatern United, F.B. 5516 Faternam, NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016 de Biasio, A

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		PC1/US2004/038369							
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT									
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.							
А	WO 98/43723 A (PALL CORPORATION; LOCASALE, KENNETH) 8 October 1998 (1998-10-08) page 9, line 15 - line 21; figures 1-3	1,10							
	<u>.</u>								

INTERNATIONAL SEARCH REPORT

Inter 31 Application No
PCT/US2004/038369

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
EP	0923975	A	23-06-1999	DE DE EP ES	19756247 A1 59808250 D1 0923975 A1 2199402 T3	24-06-1999 12-06-2003 23-06-1999 16-02-2004
US	6572667	B1	03-06-2003	NONE		
WO	0202206	A	10-01-2002	US US AU BR CA CN EP JP MX PL WO US US	6364921 B1 6387162 B1 7169801 A 0112027 A 2413618 A1 1438912 A 1299171 A2 2004501755 T PA03000154 A 359928 A1 0202206 A2 2002178921 A1 2005039601 A1	02-04-2002 14-05-2002 14-01-2002 13-05-2003 10-01-2002 27-08-2003 09-04-2003 22-01-2004 22-09-2004 10-01-2002 05-12-2002 24-02-2005
US	2771153	Α	20-11-1956	NONE	-	
WO	9843723	Α	08-10-1998	CA EP JP WO	2285288 A1 1017473 A1 2001518011 T 9843723 A1	08-10-1998 12-07-2000 09-10-2001 08-10-1998